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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/719,791	11/18/2003	Hsin Chih Tung	2724-P-14656	2931
7590 08/03/2005			EXAMINER	
HSIN CHIH TUNG			LOVELL, LEAH S	
P.O. BOX 26-757			ART UNIT	
TAIPEI,			PAPER NUMBER	
TAIWAN			2875	

DATE MAILED: 08/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/719,791	TUNG, HSIN CHIH	
	Examiner	Art Unit	
	Leah S. Lovell	2875	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 18 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION***Claim Objections***

1. Claims 1-7 are objected to because of ambiguity of terminology. The claims are generally narrative and indefinite, failing to conform to current U.S. practice. They appear to be a literal translation into English from a foreign document and are replete with grammatical and idiomatic errors. For example, on line 5 of claim 2, the meaning is unclear of "is relative." On line 4 of claim 6, the meaning of "vibrating switch" is unclear. Also on line 3 of claim 7, the meaning of "a pressing-slice" is unclear.
2. Claim 1 recites the limitation "the rectangular receiving slot" in line 5 and "the laser hole" in line 7. There is insufficient antecedent basis for this limitation in the claim. Appropriate corrections are required.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chang (US 6,584,695) in view of Peot et al. (US 6,755,107). In regard to claim 1, Chang teaches a cover with a laser hole [19] on the edge of the cover, receiving slots (see figure 2), and a cover that is capable of being fixed to a circular saw machine. It is also disclosed of a laser module [11] including a

Art Unit: 2875

rectangular base as seen in figure 4. The base and slots are seen to be rectangular in plan, thereby meeting the claim limitations. Finally, Chang teaches a power control-supply [10, 16, 17, 30, 36] that is connected to the laser module. While Chang teaches a laser hole on the edge of the cover, a plurality of laser holes is lacking. Peot teaches a plurality of laser holes [80] on the edge of the cover as seen in figure 9. This arrangement eliminates the small strip between the hole and the edge of the top lid that is easily broken. It would have been obvious to one of ordinary skill in the art at the time of the invention to replace Chang's single laser hole with Peot's plurality since a plurality arranged in this manner is easier to manufacture and the final product more durable.

Regarding claim 2, Chang also teaches screw bases, sinking holes, and bolts to secure the covers in figure 3. Chang teaches a protective cover that is secured to the base thereby meeting the claim limitation that those parts "relative."

In regard to claim 3, Chang's teachings provide in figures 2 and 3 a protruding ring on the top cover while the bottom cover provides the mating concave ring.

Regarding claims 4 and 5, as mentioned in regards to claim 2, Chang provides teaching of two covers relative to another. It also teaches an inner-concave portion [20] on the inside of the top cover and a corresponding inner-protruding portion [15] on the bottom cover. Within the combination of these two inner-concave and -protruding portions a sinking hole [22] is provided for a bolt to secure the laser alignment device to the circular saw. As shown in figure 3,

Art Unit: 2875

the sinking hole [22] has two cambered surfaces connected by two parallel surfaces for fixing the shaft of the circular saw.

In regard to claims 6 and 7, Chang's teachings provide the top and bottom cover relative to one another. In addition, Chang teaches that "the conventional laser alignment device needs to...mount the battery to provide an electrical energy required for [powering] the laser light" in the prior art. It would have been obvious to one of ordinary skill in the art at the time of the invention to replace the electro-mechanical system of Chang with a battery to allow a user to have accessibility to the laser alignment device without the saw having to be powered on. Chang's invention also provides teachings of a pressing switch apparently anticipating the vibrating switch of the present invention. If the electro-mechanical system were replaced with a battery power source, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate a ringlike circuit board to assist in the distribution of power to the pressing-slices within the device.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leah S. Lovell whose telephone number is (571) 272-2719. The examiner can normally be reached on Monday through Friday 7:45 a.m. until 4:15 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Renee Luebke can be reached on (571) 272-2009. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Art Unit: 2875

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Leah S Lovell
Examiner
22 July 2005



RENEE LUEBKE
PRIMARY EXAMINER